

Fig.1

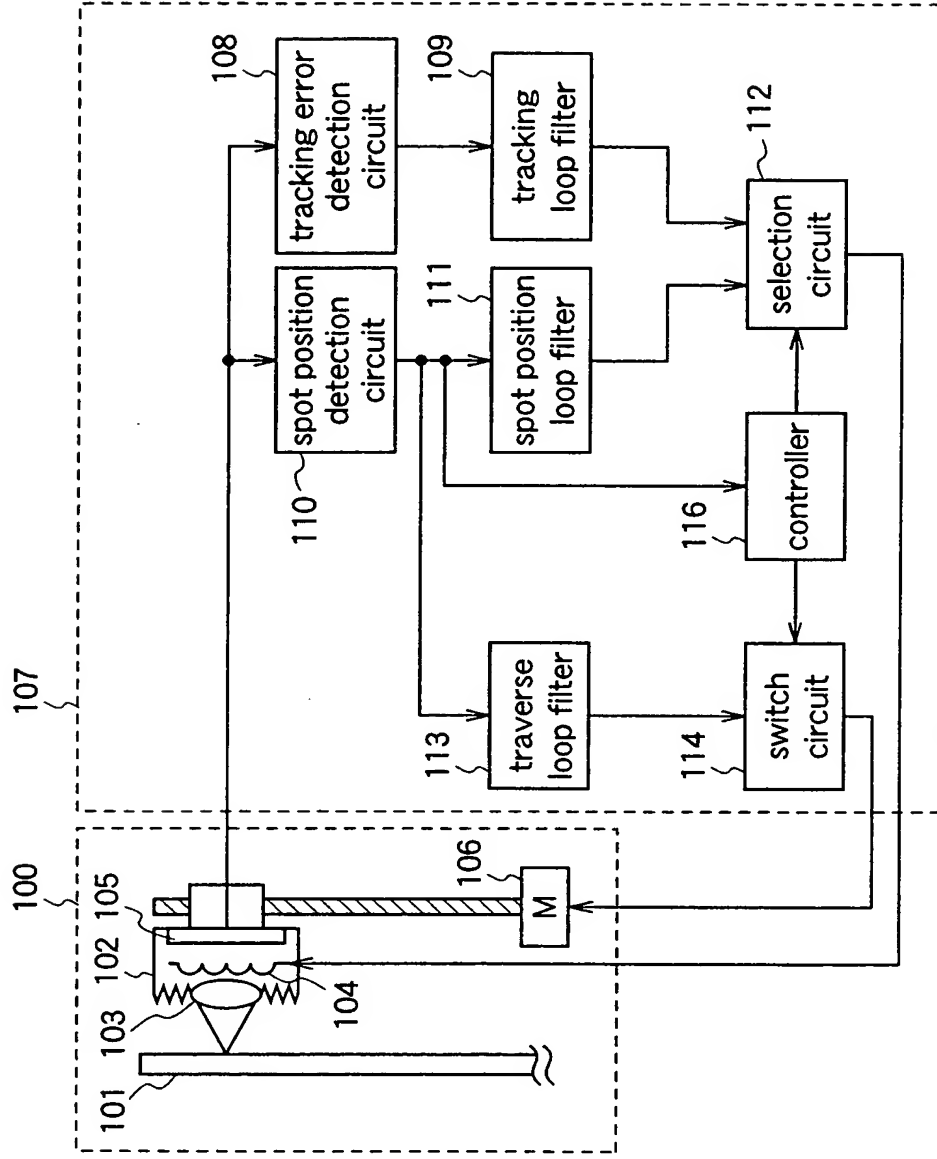


Fig.2

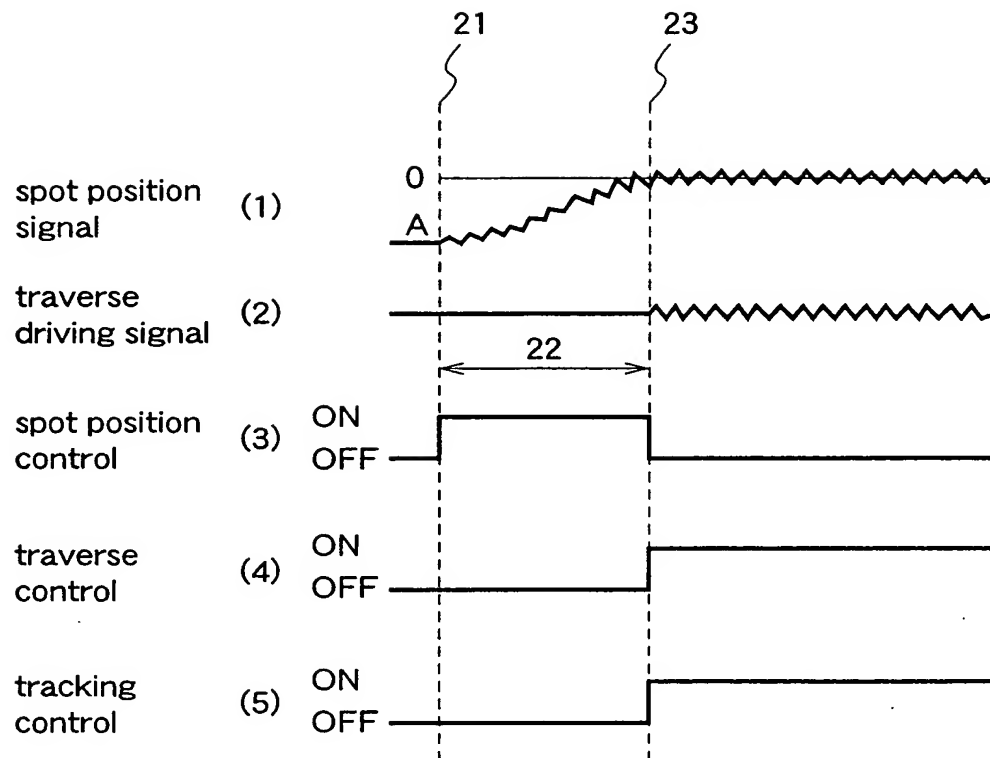


Fig.3

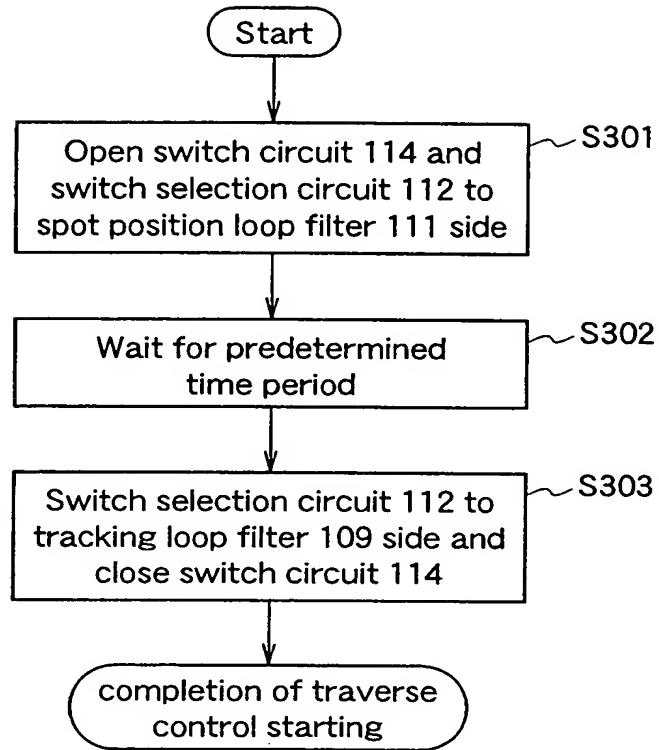


Fig.4

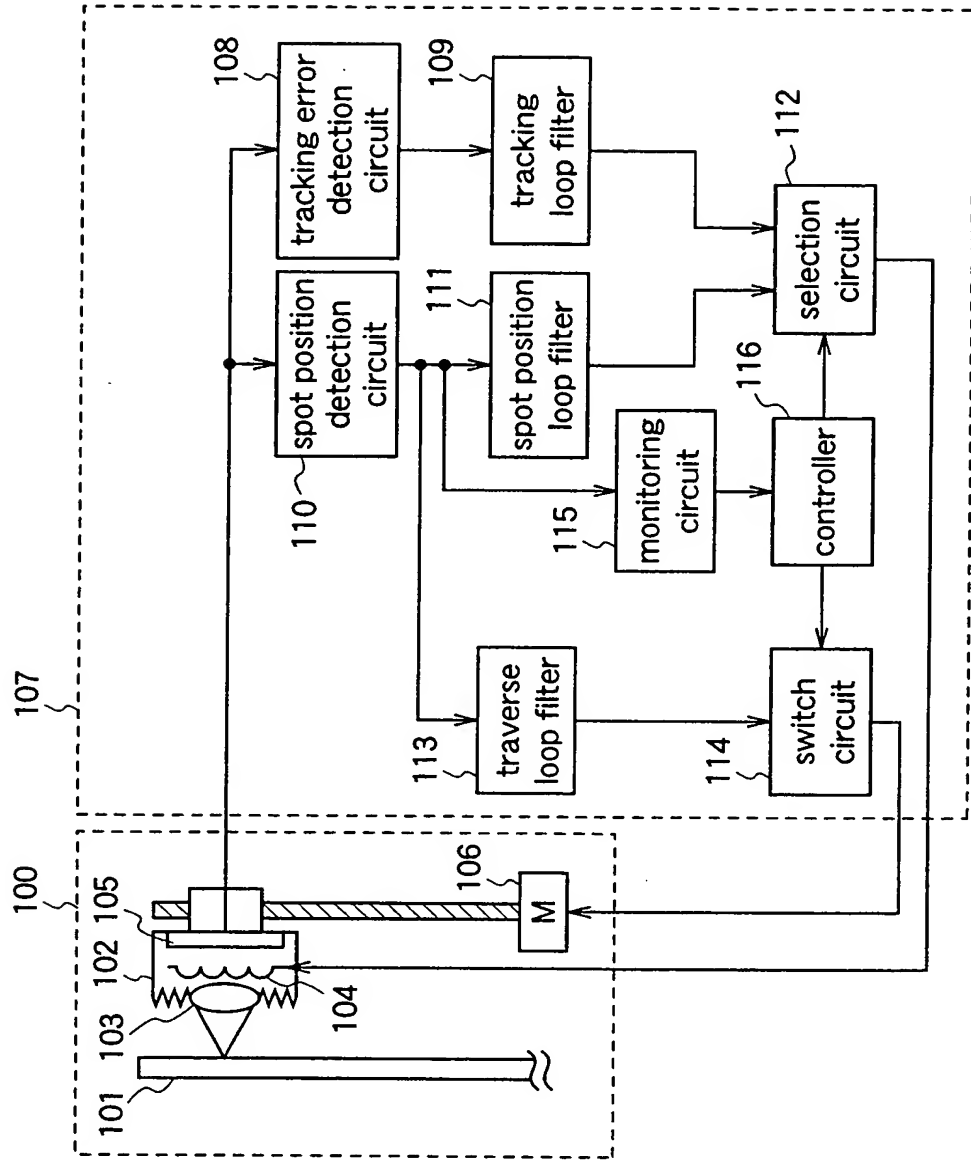


Fig.5

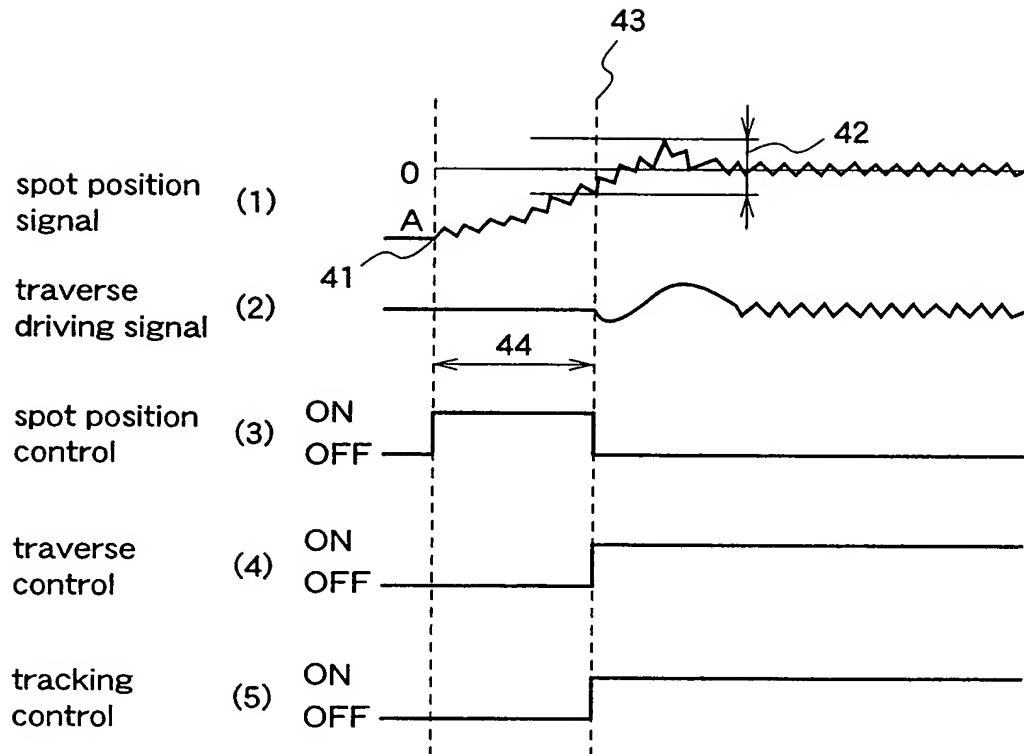


Fig.6

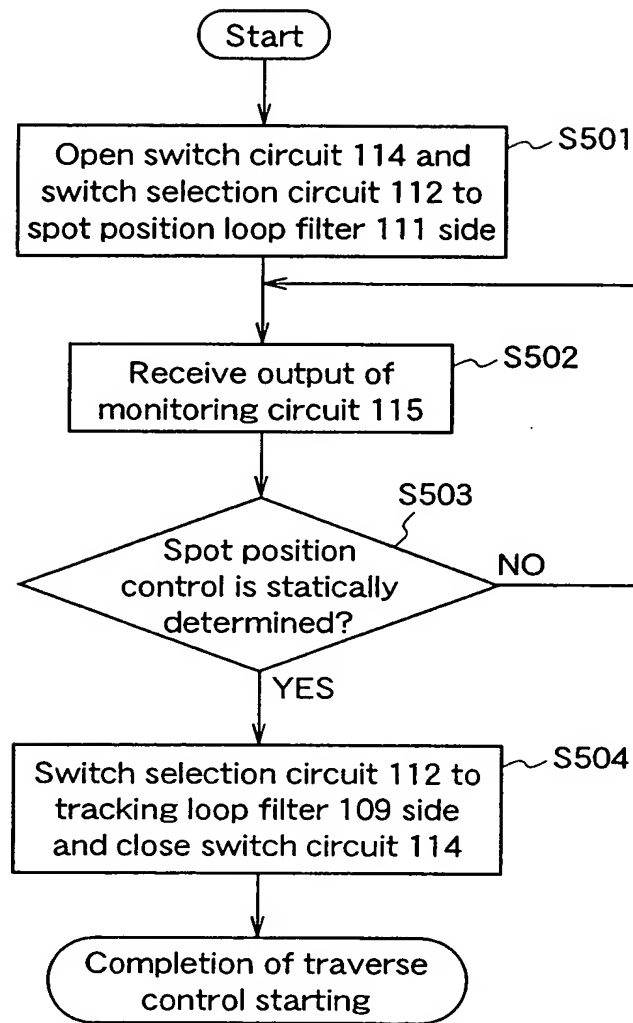


Fig.7

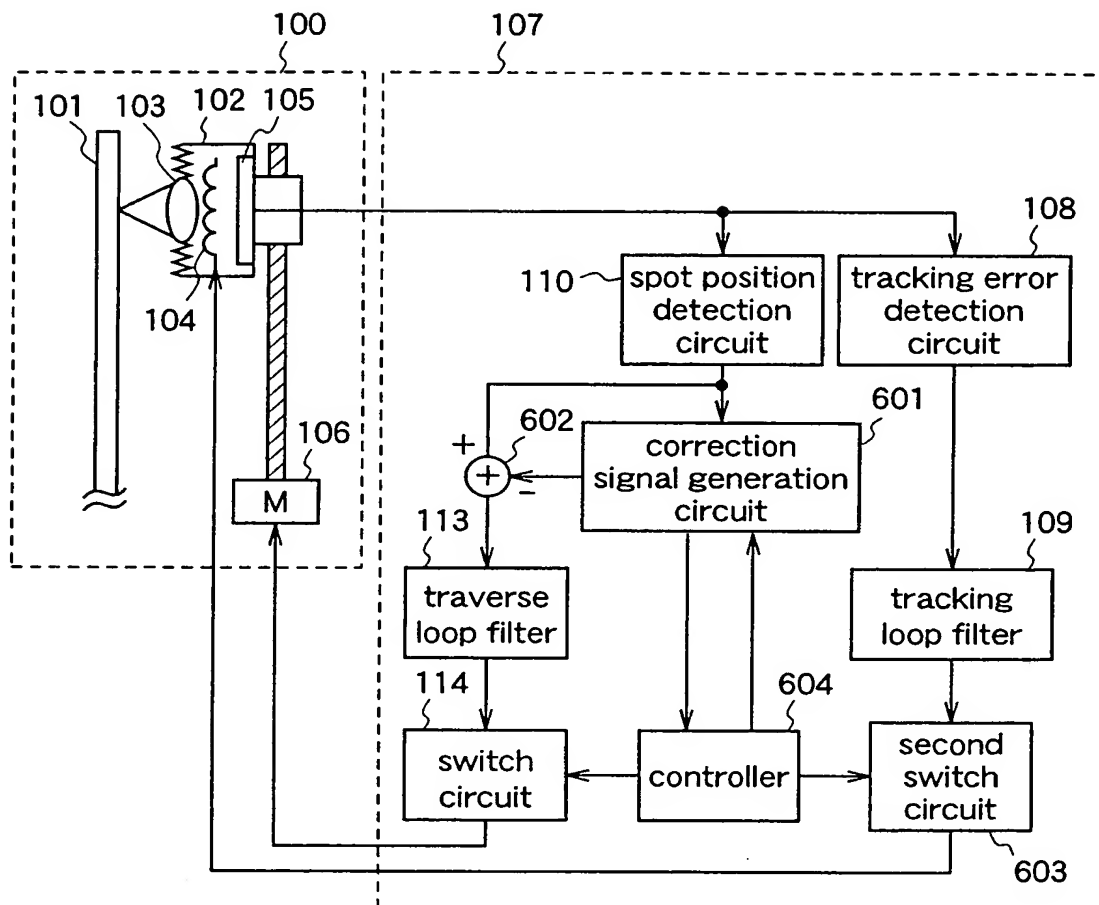


Fig.8

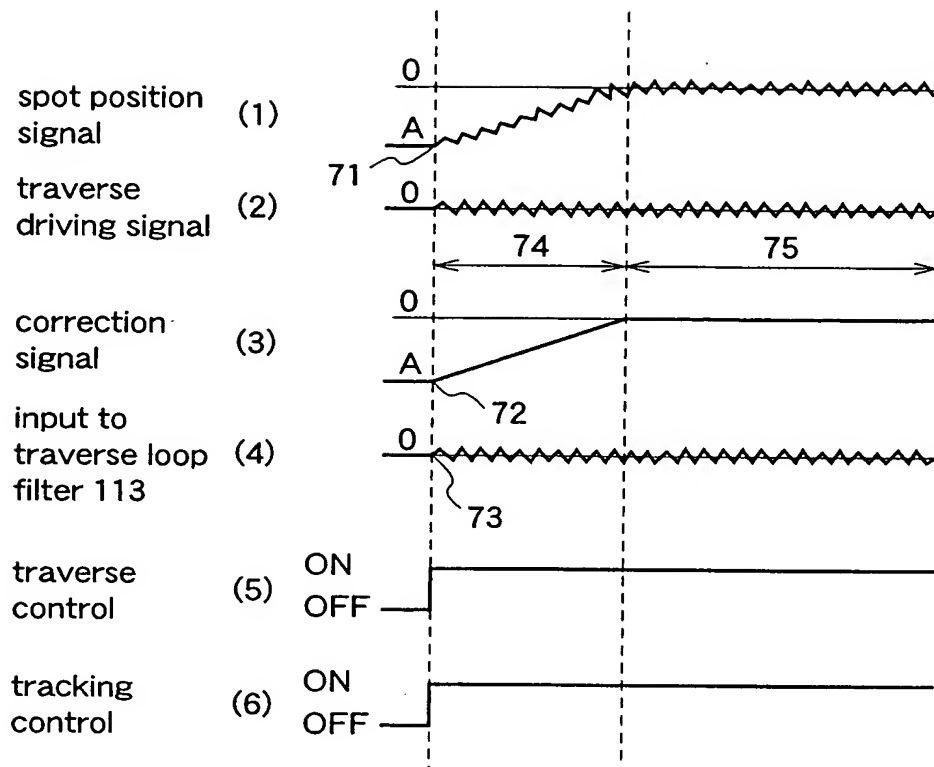


Fig.9

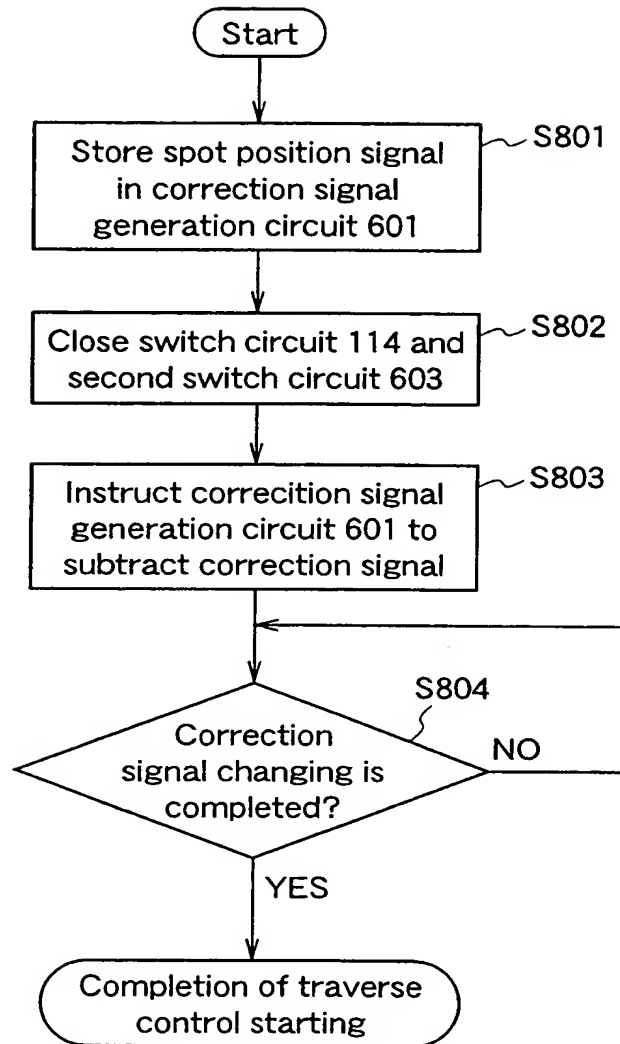


Fig.10

91
correction
signal (1)

92
correction
signal (2)

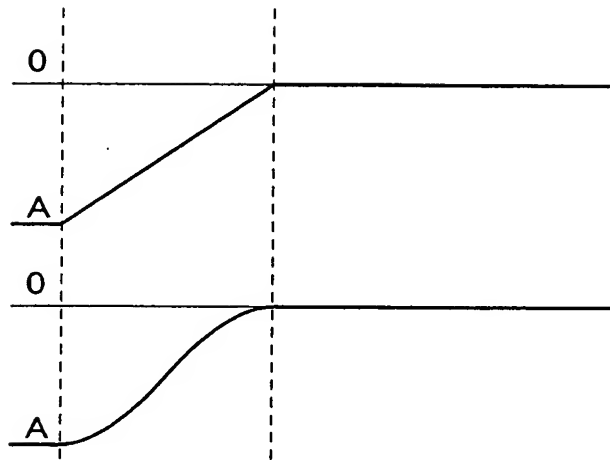


Fig.11

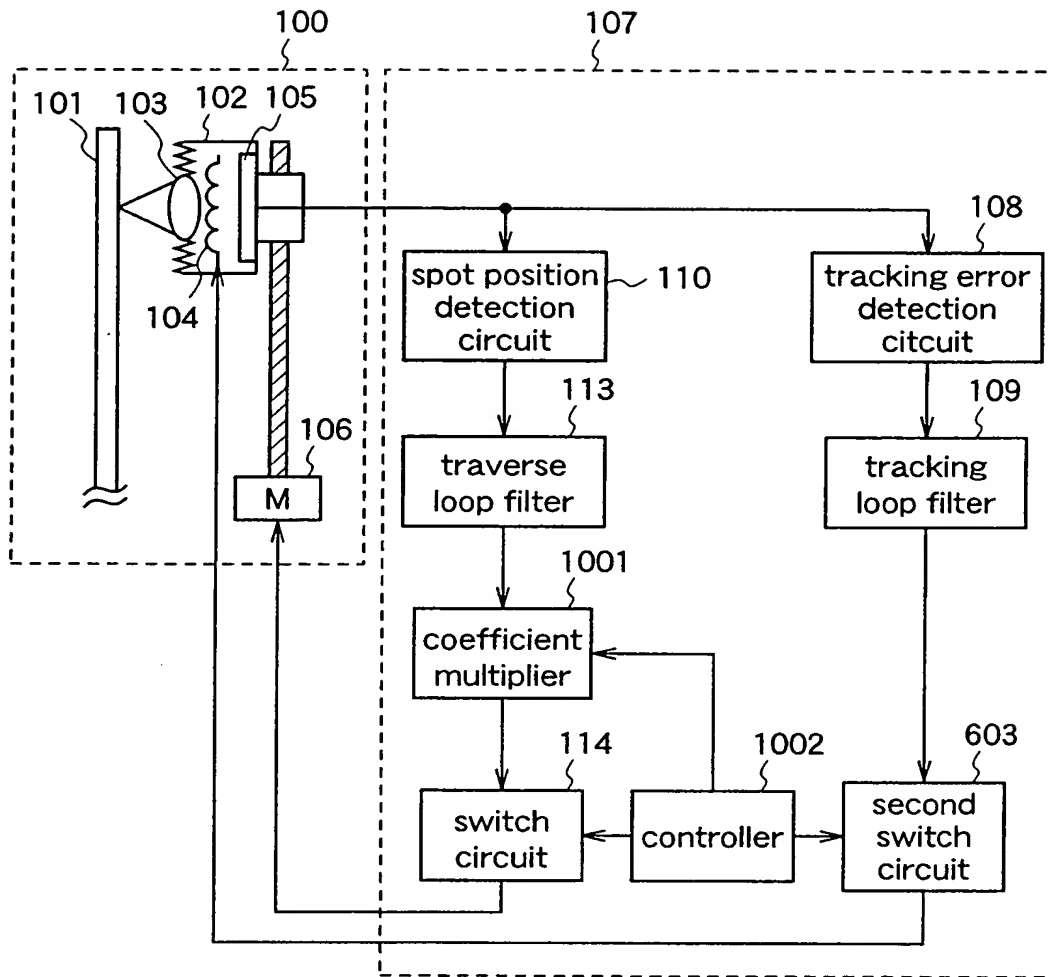


Fig.12

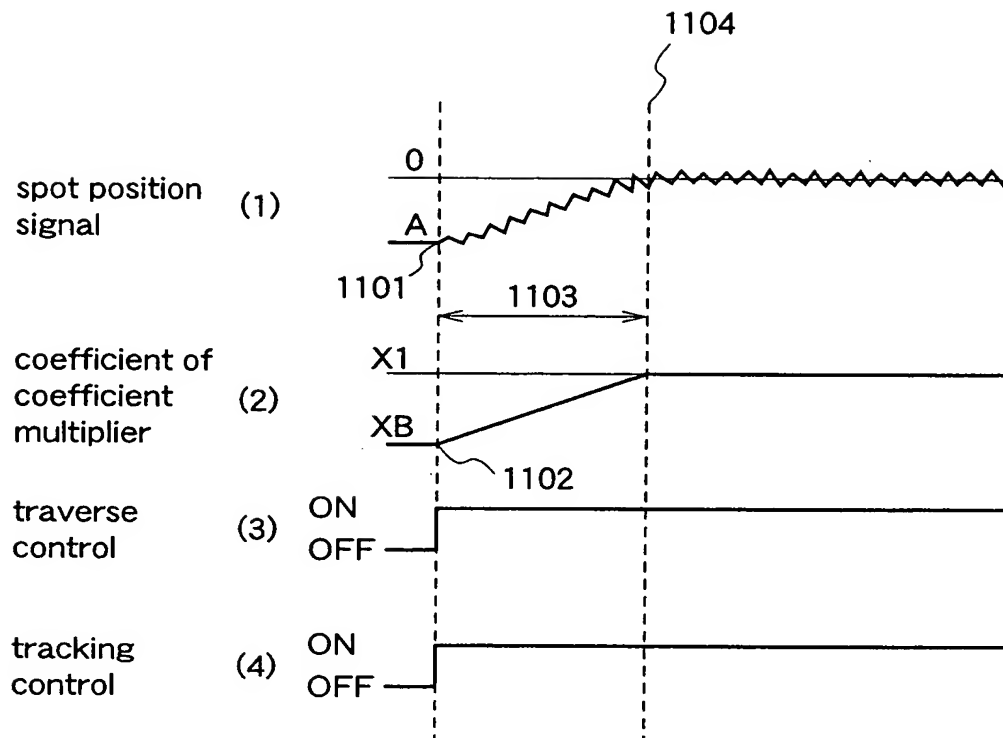


Fig.13

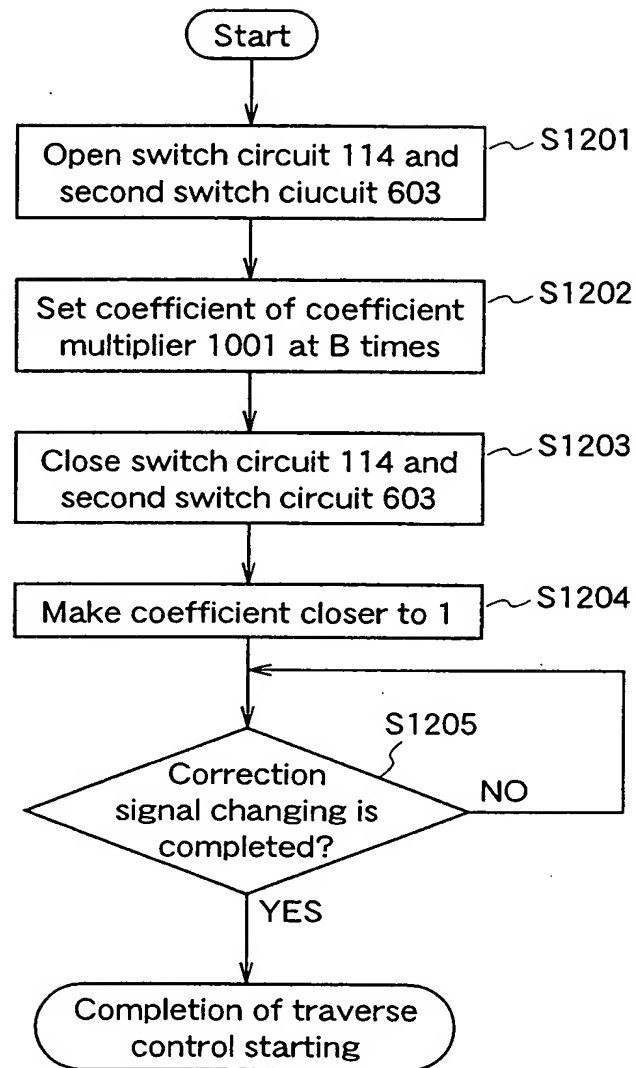


Fig.14 Prior Art

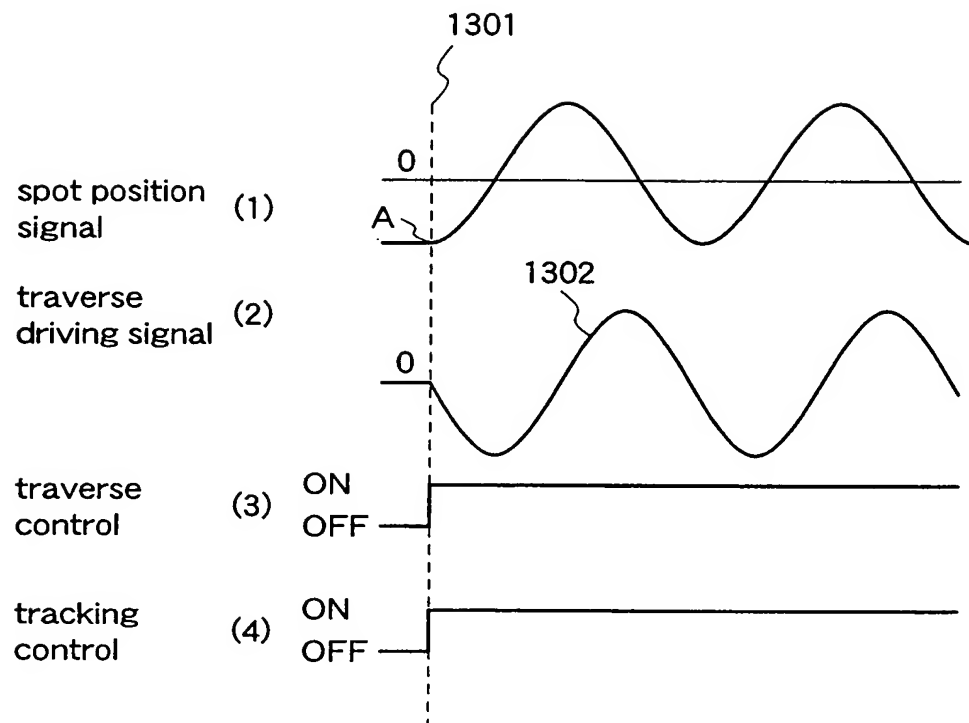


Fig.15 (a)

open-loop gain
characteristics
without spot position
loop filter 111

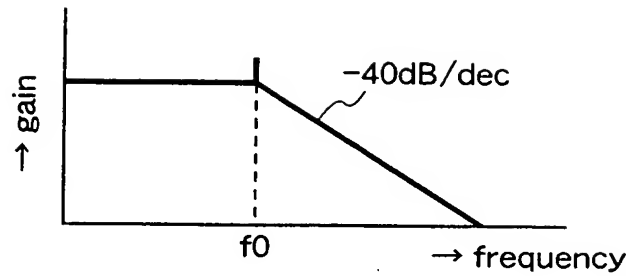


Fig.15 (b)

gain characteristics
of spot position
loop filter 111

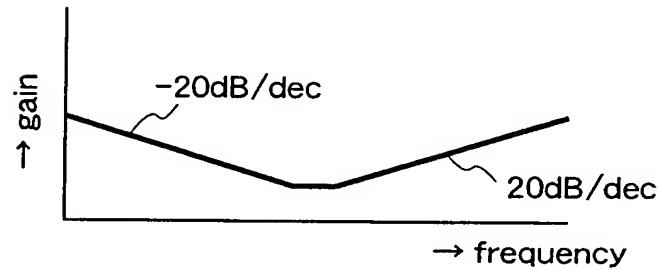


Fig.15 (c)

open-loop
characteristics of
whole spot
position control

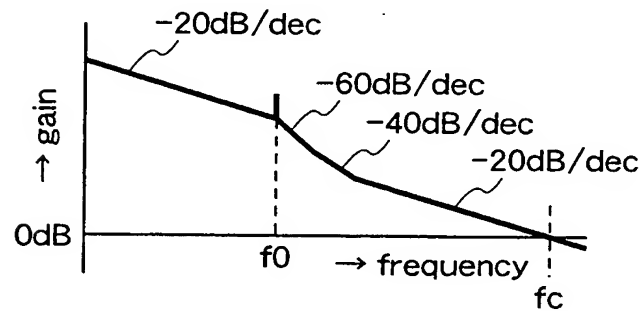


Fig.16

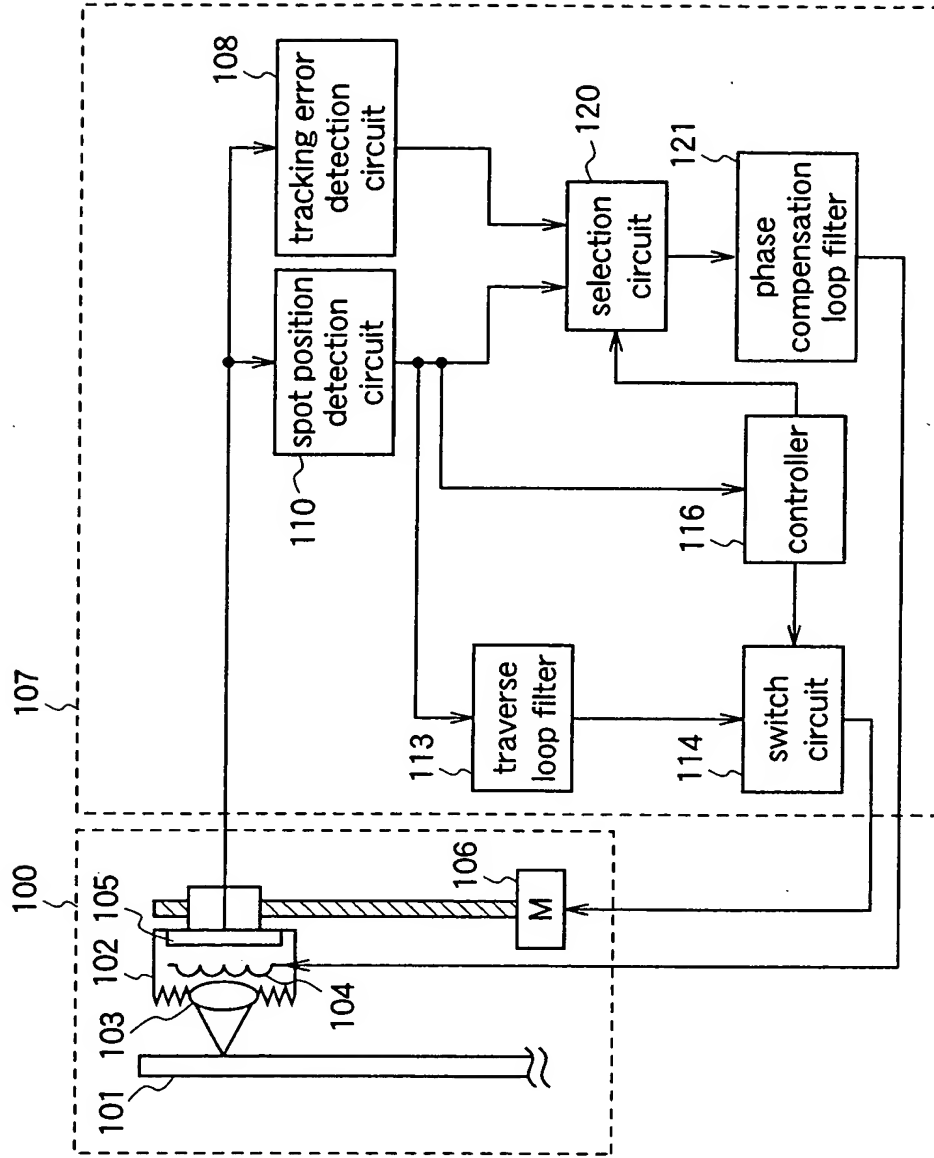


Fig.17 (a)
open-loop gain
characteristics
without spot position
loop filter 111

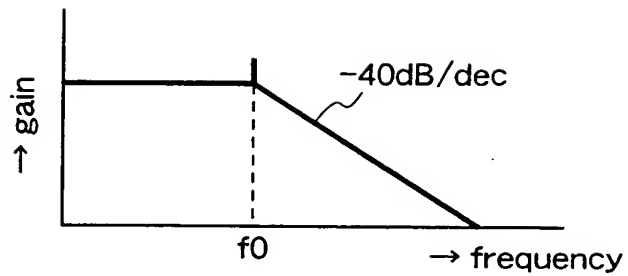


Fig.17 (b)
gain characteristics
of spot position
loop filter 111

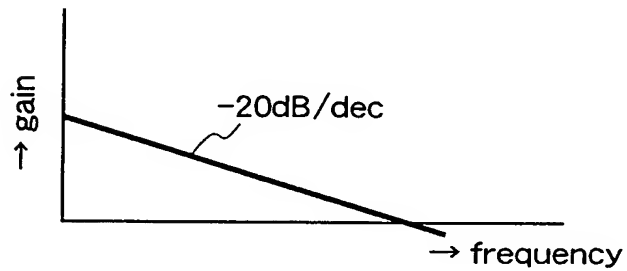


Fig.17 (c)
open-loop
characteristics of
whole spot
position control

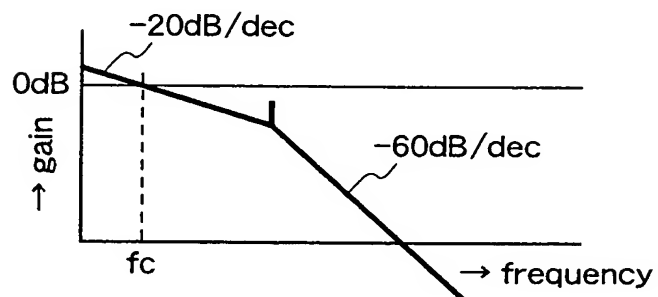


Fig.18 (a)

open-loop gain
characteristics
without spot position
loop filter 111

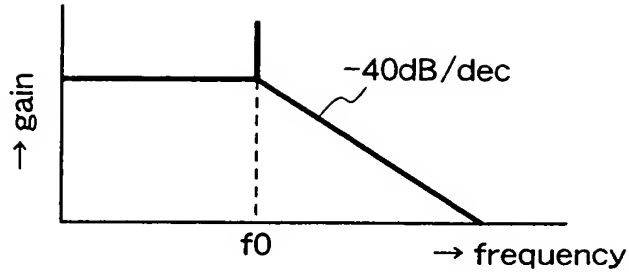


Fig.18 (b)

gain characteristics
of spot position
loop filter 111

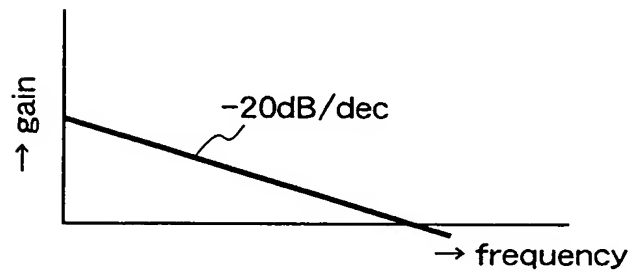


Fig.18 (c)

open-loop
characteristics of
whole spot
position control

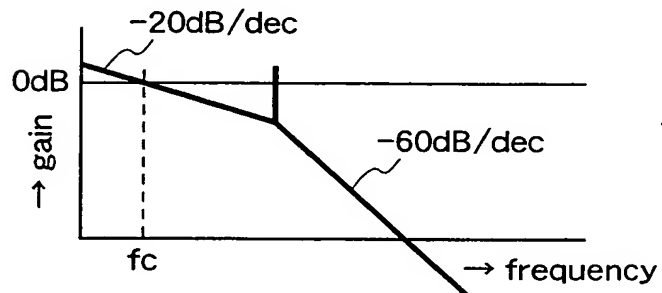


Fig.18 (d)

gain characteristics
of changed spot
position loop filter 111

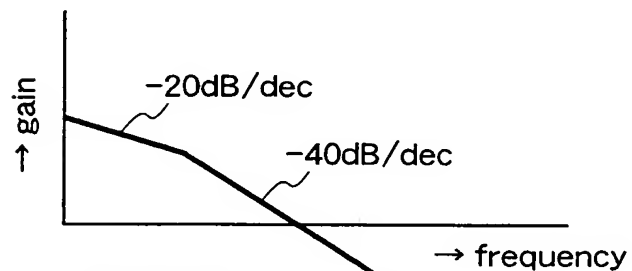


Fig.18 (e)

open-loop
characteristics of
whole changed spot
position control

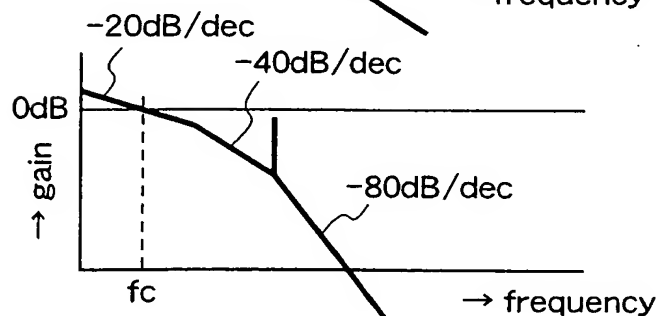


Fig.19 (a)
open-loop gain
characteristics
without spot position
loop filter 111

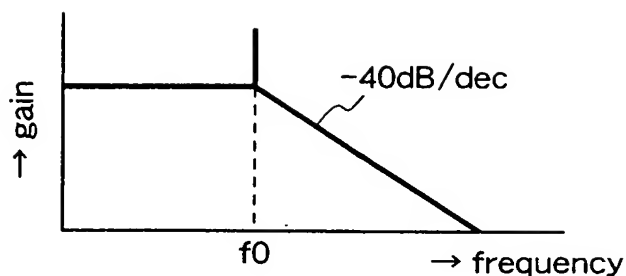


Fig.19 (b)
gain characteristics
of spot position
loop filter 111

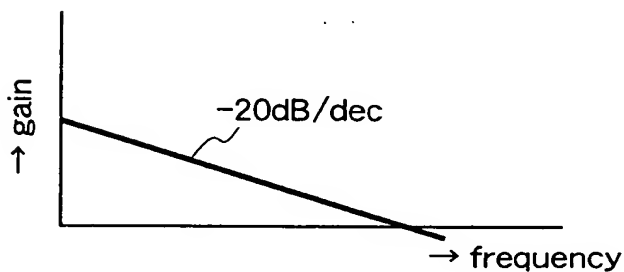


Fig.19 (c)
open-loop
characteristics of
whole spot
position control

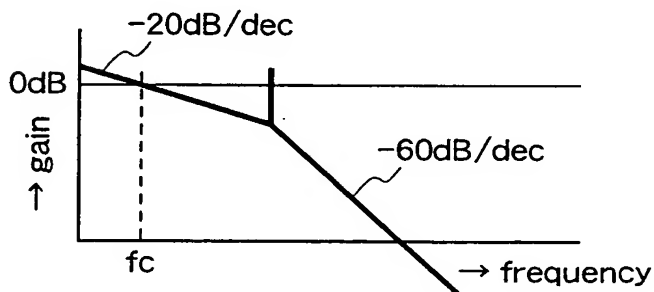


Fig.19 (d)
gain characteristics
of spot position
loop filter 111

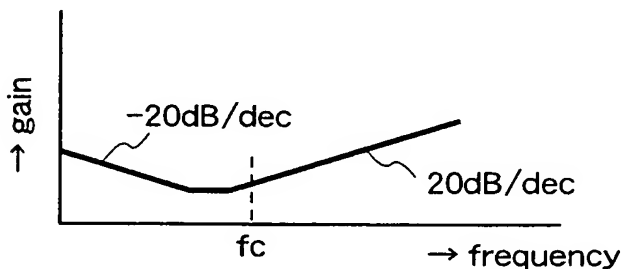


Fig.19 (e)
open-loop
characteristics of
whole spot
position control

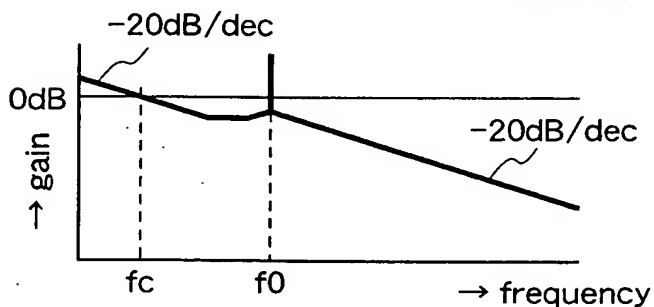


Fig.20 (a)

open-loop gain
characteristics
without spot position
loop filter 111

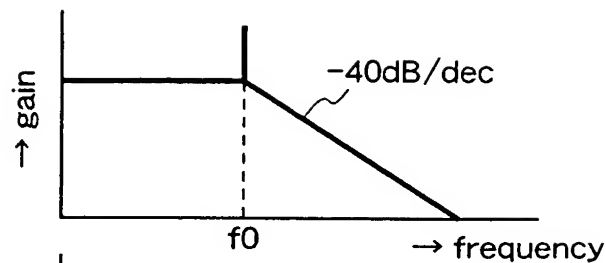


Fig.20 (b)

gain characteristics
of spot position
loop filter 111

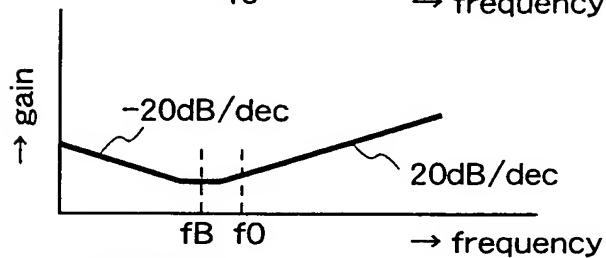


Fig.20 (c)

open-loop
characteristics of
whole spot
position control

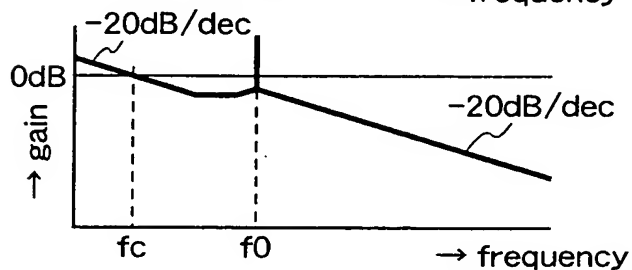


Fig.20 (d)

open-loop phase
characteristics 181
without spot position
loop filter 111 and
phase characteristics
182 of spot position
loop filter 111

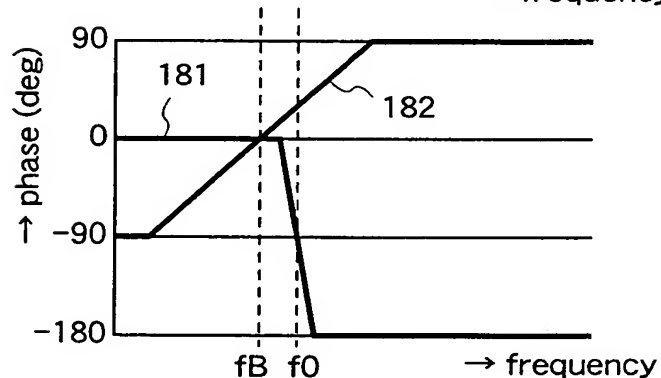


Fig.20 (e)

phase characteristics
of whole spot
position control

